(b) the number of coaches attached with each train introduced during aforesaid period?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI E. AHAMMED): (a) and (b) The information is being collected and will be laid on the table of the Sabha.

Harnessing of renewable energy sources

278. SHRI NANDI YELLAIAH: Will the Minister of RAILWAYS be pleased to state:

(a) the details of the action plan prepared by her Ministry for harnessing of renewable energy sources and management of energy security and the achievements made on these fronts till date;

(b) the details regarding the 10.56 MW wind energy plant set up by Railways in Chennai, indicating the total cost incurred thereon and it's output;

(c) the total area of Railway land brought under Jatropha plantation during the current year to effect saving of diesel; and

(d) whether any renewable energy source plant is likely to be set up in Andhra Pradesh?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI E. AHAMMED): (a) Policy guidelines exist for harnessing renewable energy sources for electrification of manned level crossing gates and stations, water heating purpose in running rooms, training institutes and rest houses on case to case basis.

Indian Railways have provided solar based water heating systems of different capacities for some of training institutes, running rooms and rest houses and have completed electrification of more than 1200 manned level crossings with solar based lighting system and commissioned 10.5 MW wind mill for Integral Coach Factory (ICF), Perambur, Chennai installed in Kasturirangapuram and Urumangalam village, Tirunelveli District of Tamil Nadu.

(b) The salient features of Wind energy plant are as under:

(i)	Date of commissioning of plant capacity 10.5 MW	30.3.2009
(ii)	Capacity of plant	10.5 MW
(iii)	Cost of Plant	Rs. 66.05 crore
(iv)	Total energy generated by the plant	16.3 Million Units (Approx. till 10.11.09).
(v)	Total savings achieved	Rs. 5 crore (Approx. till 10.11.09).

(c) 29.12 lakh Jatropha saplings have been planted during the current year so far.

(d) At present, no major installations in Andhra Pradesh have been planned for provision of renewable energy.

Gauge conversion works

†279. SHRI LALIT KISHORE CHATURVEDI: Will the Minister of RAILWAYS be pleased to state:

(a) the commencement and completion dates of gauge conversion activities of (i) Ratlam-Indore-Khandwa-Akola; (ii) Jaipur-Sikar-Loharu; (iii) Sadulpur- Hanumangarh-Ganganagar-Suratgarh; (iv) Mathura-Hathras-Kasganj-Bareilly-Lalkuan; (v) Rangiya-North Lakhimpur and (vi) Lumding-Amba Ambasa Lines; and

(b) the reasons for giving low priority to these projects?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI E. AHAMMED): (a) The details of commencement and target date for completion of these gauge conversion projects are as under:

Sl.No.	Project	Date of commencement	Target date for completion
(i)	Ratlam-indore-Khandwa-Akola;	Yet to commence	Not fixed.
(ii)	Jaipur-Sikar-Loharu;	Yet to commence	Not fixed
(iii)	Sadulpur-Hanumangarh-Ganganagar-Suratgarh;	(a) Sadulpur (Suratpura)-Hanumangarh-Sriganganagar: Yet to commence, (b) Sriganganagar-Sarupsar: March, 2007.	Likely completion in 2012-13. Likely completion in 2010-11.
(iv)	Mathura-Hathras-Kasganj-Bareily-Lalkuan;	Mathura- Hathras-Kasganj October, 1998 Kasganj-Bareilly; December, 2002 Bareilly-Lalkaun: November, 2002	Completed and commissioned on 01.05.2009. Likely completion in 2011-12. Likely completion in 2010-11
(v)	Rangiya-North Lakhimpur;	Rangiya-Murkongselek: December, 2007	Targeted for completion by March, 2013.
(vi)	Lumbding -Amba Amabasa lines;	Lumding-Silchar-Jiribam, Badarpur-Baraigram-Kumarghat : 1996-97	Lumding-Silchar-Jirabam, Badarpur-Baraigram-Kumarghat is targeted for completion by March, 2012. Kumarghat-Agartala *via* Ambassa is a new line project which has already been completed and commissioned.

†Original notice of the question was received in Hindi